

Memorandum

Date: October 8, 2003

To: Kathy Hill
Department of Fish and Game
Region 2
1701 Nimbus Road, Suite A
Rancho Cordova, California 95670

From: Department of Water Resources

Subject: For Your Files: 2001 Lake Davis Creel Census

In 2001, California Department of Water Resources, Northern District student assistants conducted an angler survey at Lake Davis, Plumas County. These 28-one day surveys were conducted from April 28 through November 15, 2001.

During this period we interviewed 593 anglers who had fished 1,885 hours, with an observed catch of 388 rainbow trout, four brown trout and four brown bullhead. In addition, 150 trout were reported caught and released. While contacting anglers at the lake, we didn't observe any northern pike in angler's catch.

Mean fork length of creeled trout was 39.0 cm (15.3 in.) for rainbow trout (Figure 1), the four brown bullheads ranged from 27.5 cm to 28.5 (10.8 in. to 11.2 in.), and the four brown trout were field dressed and couldn't be measured. The largest trout observed was a rainbow trout measured 58.5 cm fork length (23.0 in.).

We surveyed 401 shore anglers who had fished 1,155 hours and caught 223 rainbow trout (0.19 trout per hour) and 4 brown bullhead. They reported catching and releasing an additional 59 rainbow trout.

Boat anglers totaled 192 anglers who had fished 730 hours and caught 165 rainbow trout and 4 brown trout (0.23 trout per hour). They reported catching and releasing 91 rainbow trout and 1 brown bullhead.

About 70 percent of the anglers fished exclusively with bait, 7 percent with lures, 5 percent with flies and 18 percent used more than one type of terminal gear.

More than 39 percent of the anglers originated from out of the state (mostly Reno and Sparks, Nevada) and nearly 23 percent were from the San Francisco Bay Counties (Alameda, Contra Costa, Marin, Napa, Santa Clara, San Francisco, San Mateo, Solano and Sonoma Counties). The rest of the anglers who fished the lake were mostly from the Northeast Counties (13 percent; Plumas, Lassen, Modoc and Siskiyou Counties) and Sacramento Valley Counties (13 percent; Sierra County, south), with the remaining 12 percent from other regions of California.

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Information on boating use of Lake Davis, and also boater origin, was also collected on the 28 survey days. We surveyed all four boat ramps on both sides of the lake three times a day (Grizzly, Honker Cove, Lightning Tree and Old Camp Five). An average of 2.1 persons per boat was calculated for the survey season. Total boater use on Lake Davis was estimated at 97,000 hours. We did not record what activities boaters were involved in, but it was apparent that most boaters were fishing. Approximately 38 percent of boaters were from Nevada, while the other 62 percent were from California.

If you have any questions or require additional information regarding this work, please contact me at (530) 529-7393 or www.hintonr@water.ca.gov.

ORIGINAL SIGNED BY

Ralph Hinton
Retired Annuitant

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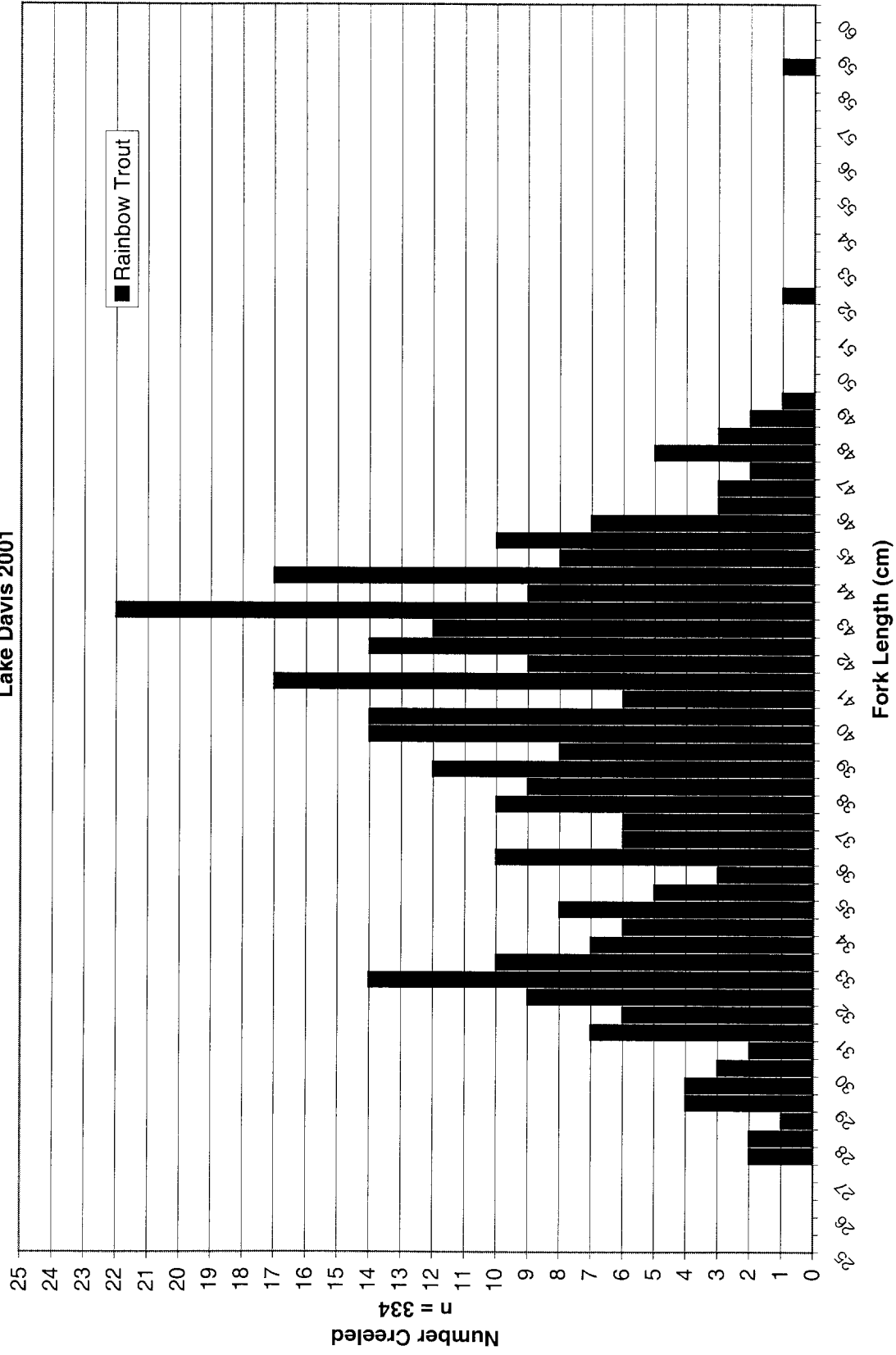
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Spell Check: October 8, 2003

FIGURE 1
Length-Frequency of Censused Rainbow Trout
Lake Davis 2001



Lake Davis 2001

| | | | |
|--------------------|----|-------------------------------|-----------------|
| 1 ALAMEDA | 16 | NORTH EAST COUNTIES | |
| 2 ALPINE | 0 | SISKIYOU | 0 |
| 3 AMADOR | 0 | MODOC | 0 |
| 4 BUTTE | 5 | LASSEN | 1 |
| 5 CALAVERAS | 0 | PLUMAS | 74 |
| 6 COLUSA | 0 | TOTAL: | 75 |
| 7 CONTRA COSTA | 30 | PERCENT: | 0.126476 |
| 8 DEL NORTE | 0 | NORTH COAST | |
| 9 EL DORADO | 2 | DEL NORTE | 0 |
| 10 FRESNO | 2 | HUMBOLDT | 0 |
| 11 GLENN | 2 | TRINITY | 0 |
| 12 HUMBOLDT | 0 | MENDOCINO | 2 |
| 13 IMPERIAL | 0 | TOTAL: | 2 |
| 14 INYO | 0 | PERCENT: | 0.003373 |
| 15 KERN | 0 | SACRAMENTO VALLEY | |
| 16 KINGS | 0 | SHASTA | 3 |
| 17 LAKE | 2 | TEHAMA | 2 |
| 18 LASSEN | 1 | GLENN | 2 |
| 19 LOS ANGELES | 0 | BUTTE | 5 |
| 20 MADERA | 0 | LAKE | 2 |
| 21 MARIN | 11 | COLUSA | 0 |
| 22 MARIPOSA | 0 | SUTTER | 10 |
| 23 MENDOCINO | 2 | YUBA | 2 |
| 24 MERCED | 0 | YOLO | 0 |
| 25 MODOC | 0 | SACRAMENTO | 49 |
| 26 MONO | 0 | TOTAL: | 75 |
| 27 MONTEREY | 3 | PERCENT: | 0.126476 |
| 28 NAPA | 6 | SAN FRANCISCO BAY AREA | |
| 29 NEVADA | 6 | SONOMA | 10 |
| 30 ORANGE | 3 | NAPA | 6 |
| 31 PLACER | 35 | SOLANO | 0 |
| 32 PLUMAS | 74 | MARIN | 11 |
| 33 RIVERSIDE | 1 | CONTRA COSTA | 30 |
| 34 SACRAMENTO | 49 | ALAMEDA | 16 |
| 35 SAN BENITO | 0 | SAN MATEO | 17 |
| 36 SAN BERNARDINO | 0 | SANTA CLARA | 42 |
| 37 SAN DIEGO | 1 | SAN FRANCISCO | 2 |
| 38 SAN FRANCISCO | 2 | TOTAL: | 134 |
| 39 SAN JOAQUIN | 0 | PERCENT: | 0.22597 |
| 40 SAN LUIS OBISPO | 5 | SAN JOAQUIN VALLEY | |
| 41 SAN MATEO | 17 | SAN JOAQUIN | 0 |
| 42 SANTA BARBARA | 0 | STANISLAUS | 3 |
| 43 SANTA CLARA | 42 | MERCED | 0 |
| 44 SANTA CRUZ | 3 | MADERA | 0 |
| 45 SHASTA | 3 | FRESNO | 2 |
| 46 SIERRA | 6 | KINGS | 0 |
| 47 SISKIYOU | 0 | TULARE | 2 |
| 48 SOLANO | 0 | TOTAL: | 7 |
| 49 SONOMA | 10 | PERCENT: | 0.011804 |
| 50 STANISLAUS | 3 | CENTRAL COAST | |
| 51 SUTTER | 10 | SANTA CRUZ | 3 |
| 52 TEHAMA | 2 | MONTEREY | 3 |